Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Using the graphing calculator, answer the questions below.

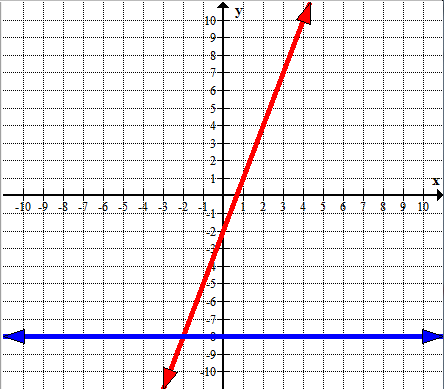
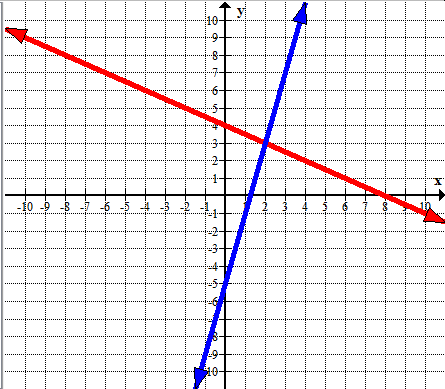
1) Given the system of equation, what is the x-coordinate of the solution set? \_\_\_\_\_\_\_\_\_\_

2) Given the system of equation, what could be a solution to this system and why? \_\_\_\_

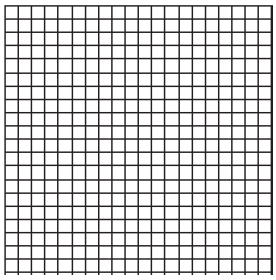
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Plot and state the solutions to the system of equations below.

3) Solution Set: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4) Solution Set: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Given each system of equation, find its solution set by graphing each equation.



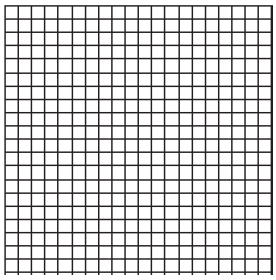
a) What type of lines are there?   
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What type of solutions are there?   
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Where is/are the solution(s) located?  
  
 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5)

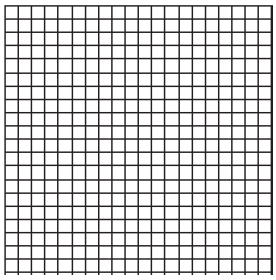
6)



a) What type of lines are there?   
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What type of solutions are there?   
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Where is/are the solution(s) located?  
  
 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



a) What type of lines are there?   
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What type of solutions are there?   
  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Where is/are the solution(s) located?  
  
 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7)

8) There are two different cell phone plans Jordan is considering. The first one will cost $10 for the line and unlimited calls plus $0.02 per text message. The second plan costs $8 per line plus $0.05 per text message sent. At what number of text messages do the plans cost the same amount of money?

|  |  |  |  |
| --- | --- | --- | --- |
| Equation in Words | Variables | Equation with Numbers/Variables | Equation in Slope-Intercept Form |
| 1) |  |  |  |
| 2) |  |  |

Graph each equation. Where is the solution set located? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
What does the solution set mean? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_